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Application No. 10/508,955
Amendment dated November 15, 2007
Reply to Office Action of August 15, 2007

2

Docket No.: 80653(47762)

AMENDMENTS TO THE CLAIMS

Claim 1 (Currently Amended): A method for applying a hot melt adhesive in a melted state to a surface of a substrate, the method comprising the steps of:

preparing a hot melt adhesive, which is a urethane reactive hot melt adhesive and melts in a temperature range of 100 to 130°C[[:]] ;

conveying a substrate which is a wood board at a predetermined speed;

rotating an applicator roller, which is covered with the hot melt adhesive in a melted state supplied from an interface of the applicator roller and a metering roller, in the direction which the substrate is moved on a conveyer and at a circumferential speed at least 20% slower or at least 20% faster than the predetermined speed of the substrate to cause the roller to slip; and

contacting ~~one~~ the upper surface of the substrate and the applicator roller to form an adhesive layer on the substrate from the hot melt adhesive.

Claim 2 (Original): The method for applying a hot melt adhesive to a surface of a substrate according to claim 1, wherein the adhesive layer is formed by applying a plurality of coatings of the hot melt adhesive.

Claim 3 (Original): The method for applying a hot melt adhesive to a surface of a substrate according to claim 1, wherein the circumferential speed of the applicator roller is set to be less than the predetermined speed at which the substrate is conveyed, with a speed reduction ratio ranging from 20% to 80% and equal to (conveying speed of substrate-circumferential speed of applicator roller) x 100 / conveying speed of substrate.

DC_234709_1

Application No. 10/508,955
Amendment dated November 15, 2007
•Reply to Office Action of August 15, 2007

3

Docket No.: 80653(47762)

Claim 4 (Original): A substrate obtained by the method for applying a hot melt adhesive to a surface of a substrate according to claims 1 to 3.

Claim 5 (Canceled)

Claim 6 (Currently Amended): The device for coating a substrate according to ~~claim 1~~ ~~claim 5~~, wherein the means for conveying the substrate is a backing roller positioned opposite the applicator roller so as to pinch the substrate or is a conveyor belt with a vacuum chucking mechanism.

Claims 7-9 (Canceled).

Claim 10 (Currently Amended): A method for producing a laminated object, the method comprising the steps of:

conveying ~~a~~ the substrate which is a wood board at a predetermined speed;
contacting ~~one~~ the upper surface of the substrate and the applicator roller;
rotating an applicator roller covered with hot melt adhesive in a melted state supplied from an interface of the applicator roller and a metering roller, at a circumferential speed at least 20% slower or at least 20% faster than the predetermined speed at which the substrate is conveyed to cause it to slip; and
applying a laminate on the adhesive layer.

Claim 11 (Original): The method of producing a laminated object according to claim 10, wherein the adhesive is applied by a plurality of applicator rollers.

DC_234709_1

Application No. 10/508,955
Amendment dated November 15, 2007
Reply to Office Action of August 15, 2007

4

Docket No.: 80653(47762)

Claim 12 (Original): The method of producing a laminated object according to claim 10, wherein the substrate is a wood board, the adhesive is urethane reactive hot melt adhesive, and the laminate is a film or a decorative paper.

Claim 13-14 (Canceled).

Claim 15 (Currently Amended): The method for applying the a hot melt adhesive to the a surface of the a substrate according to claim 1, wherein a clearance between the applicator roller and a backing roller is 99% to 95% of the thickness of the substrate.

Claim 16 (Currently Amended): The method for applying the a hot melt adhesive to the a surface of the a substrate according to claim 1, wherein the urethane reactive hot melt adhesive which melts in a temperature range of 100 to 130°C has a viscosity of 1,000 to 30,000 mPa·s.

Claims 17-18 (Canceled).

DC_234709_1